

Message

From: Strynar, Mark [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5A9910D5B38E471497BD875FD329A20A-STRYNAR, MARK]
Sent: 11/21/2017 2:49:17 PM
To: Detlef Knappe [knappe@ncsu.edu]; Lindstrom, Andrew [Lindstrom.Andrew@epa.gov]
Subject: RE: [SPAM-Sender] Re: Wastewater streams
Attachments: Strynar SETAC 2017.pptx

Sure here is what I was cleared to preset. I ended up cutting quite a bit to fit in the 12 minute window.

Mark

From: Detlef Knappe [mailto:knappe@ncsu.edu]
Sent: Tuesday, November 21, 2017 9:41 AM
To: Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; Strynar, Mark <Strynar.Mark@epa.gov>
Subject: [SPAM-Sender] Re: Wastewater streams

Thank you, Andy!

Based on my conversations with Linda Culpepper, I was under the impression that each waste stream that enters the onsite WWTP was going to be sampled. Hopefully that can be done soon.

Mark,

Can you share your SETAC presentation?

Best,

Detlef

On 11/21/17 9:31 AM, Lindstrom, Andrew wrote:

Detlef,

Here is the language that Johnsie sent that clarifies this issue a bit:

Therefore, DWR hereby provides 60 days' notice of its intent to revoke the provisions of the Permit that authorize Chemours to discharge process wastewater from the Chemours Fluoromonomers/Nafion Membrane manufacturing area. The partial revocation will not apply to other permitted waste streams, including process wastewater from the Kuraray and DuPont facilities that is treated and discharged by Chemours under the Permit, and sanitary wastewater, co-neutralized regenerate, stormwater, non-contact cooling water, boiler blowdown and condensate, and cooling tower blowdown.

For the full text of the Permit, please refer to the Permit application.

So it's only the Nafion process that is under scrutiny now

Also, as I read the permit application, Kuraray has two permitted processes:

Kuraray Butacite® Manufacturing Area
Permitted for 655,657 gallons/day to on-site WWTP

Kuraray SentryGlas® Manufacturing Area
No process waste to WWTP

As far as I know we have only analyzed process flows and pooled wastes from the September 18 samples from the "Chemours FPS/IXM Process" which I believe is the Fluoromonomers/Nafion stream. I've attached our report on that sampling effort (which may not have been made public).

We're supposed to have a short weekly call with the state DEQ and R4 this afternoon. We're probably mostly going to be talking about the measurements of the 20 - 30 other "non Mei Sun PFAS" that have not yet been reported to the state or published in the literature (but Mark did talk about it last week at SETAC).

If there is additional time, I will ask if it is possible for us to obtain samples from all of the process flows described in the NPDES permit application (see the attached schematic). This would let us figure out where all of the fluorine is coming from. We probably should have done this a long time ago.

I also want to ask about getting samples from the Sampson County Landfill. As we discussed last week, I think we should get samples of the sludge that has been buried there, water from the observation wells, and any leachate that may be accessible.

We'll let you know if anything comes up with any of this.

Thank you,

Andy

-----Original Message-----

From: Detlef Knappe [mailto:knappe@ncsu.edu]

Sent: Sunday, November 19, 2017 1:55 PM

To: Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; Strynar, Mark <Strynar.Mark@epa.gov>

Subject: Wastewater streams

Andy and Mark,

DEQ is no longer allowing Chemours to discharge wastewater to the river, but wastewater from DuPont's PVF resin manufacturing unit is still OK.

Have you analyzed samples from that waste stream? Any fluorochemicals in it?

DEQ further states that Kuraray wastewater does not go into the wastewater treatment plant. Is that your understanding as well?

Best,

Detlef

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Detlef Knappe

Professor

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